

List of "SFV__R-3/4STE1HLF" customer document

DOCUMENT NO.	LIST
10117319(Sheet1)	DOCUMENT LIST
10117319(Sheet2)	CAT.NO.TABLE FOR 0.5mm CONTACT SPACING CONNECTOR (SFV__R-3/4ST_HLF)
10117319(Sheet3)	CONNECTOR USED FOR FPC WITH 0.5mm CONTACT SPACING (SFV__R-3ST_HLF)
10117319(Sheet4)	CONNECTOR USED FOR FPC WITH 0.5mm CONTACT SPACING (SFV__R-4ST_HLF)
10117319(Sheet5)	CAT.NO.TABLE FOR PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-3/4STE1HLF)
10117319(Sheet6)	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-3STE1HLF)
10117319(Sheet7)	PLASTIC TAPE PACKAGED 0.5mm CONTACT SPACING CONNECTOR (SFV__R-4STE1HLF)
10117319(Sheet8)	RECOMMENDED CABLE (FPC) (SFV__R-3/4ST_HLF)
GS-12-0844	SPEC.
BJM-SFV102	HANDLING PROCEDURES

[illegible]

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE2)			
		A ± 0.2	B ± 0.2	C ± 0.1	D ± 0.1
4	SFV 4R-3/4ST__HLF	7.5	5.9	1.5	1.6
5	SFV 5R-3/4ST__HLF	8.0	6.4	2.0	2.1
6	SFV 6R-3/4ST__HLF	8.5	6.9	2.5	2.6
7	SFV 7R-3/4ST__HLF	9.0	7.4	3.0	3.1
8	SFV 8R-3/4ST__HLF	9.5	7.9	3.5	3.6
9	SFV 9R-3/4ST__HLF	10.0	8.4	4.0	4.1
10	SFV10R-3/4ST__HLF	10.5	8.9	4.5	4.6
11	SFV11R-3/4ST__HLF	11.0	9.4	5.0	5.1
12	SFV12R-3/4ST__HLF	11.5	9.9	5.5	5.6
13	SFV13R-3/4ST__HLF	12.0	10.4	6.0	6.1
14	SFV14R-3/4ST__HLF	12.5	10.9	6.5	6.6
15	SFV15R-3/4ST__HLF	13.0	11.4	7.0	7.1
16	SFV16R-3/4ST__HLF	13.5	11.9	7.5	7.6
17	SFV17R-3/4ST__HLF	14.0	12.4	8.0	8.1
18	SFV18R-3/4ST__HLF	14.5	12.9	8.5	8.6
19	SFV19R-3/4ST__HLF	15.0	13.4	9.0	9.1
20	SFV20R-3/4ST__HLF	15.5	13.9	9.5	9.6
21	SFV21R-3/4ST__HLF	16.0	14.4	10.0	10.1
22	SFV22R-3/4ST__HLF	16.5	14.9	10.5	10.6
23	SFV23R-3/4ST__HLF	17.0	15.4	11.0	11.1
24	SFV24R-3/4ST__HLF	17.5	15.9	11.5	11.6
25	SFV25R-3/4ST__HLF	18.0	16.4	12.0	12.1
26	SFV26R-3/4ST__HLF	18.5	16.9	12.5	12.6
27	SFV27R-3/4ST__HLF	19.0	17.4	13.0	13.1
28	SFV28R-3/4ST__HLF	19.5	17.9	13.5	13.6
29	SFV29R-3/4ST__HLF	20.0	18.4	14.0	14.1
30	SFV30R-3/4ST__HLF	20.5	18.9	14.5	14.6
31	SFV31R-3/4ST__HLF	21.0	19.4	15.0	15.1
32	SFV32R-3/4ST__HLF	21.5	19.9	15.5	15.6
33	SFV33R-3/4ST__HLF	22.0	20.4	16.0	16.1
34	SFV34R-3/4ST__HLF	22.5	20.9	16.5	16.6
35	SFV35R-3/4ST__HLF	23.0	21.4	17.0	17.1

CAT. NO.

SFV (n) R - 3 ST _ _ _ HLF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC,
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION

3: LOWER CONTACT TYPE

4: UPPER CONTACT TYPE

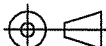
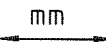
FOR AUTOMATIC MOUNTING
(SMT)

PACKAGE STYLE

HALOGEN AND LEAD FREE

NOTES

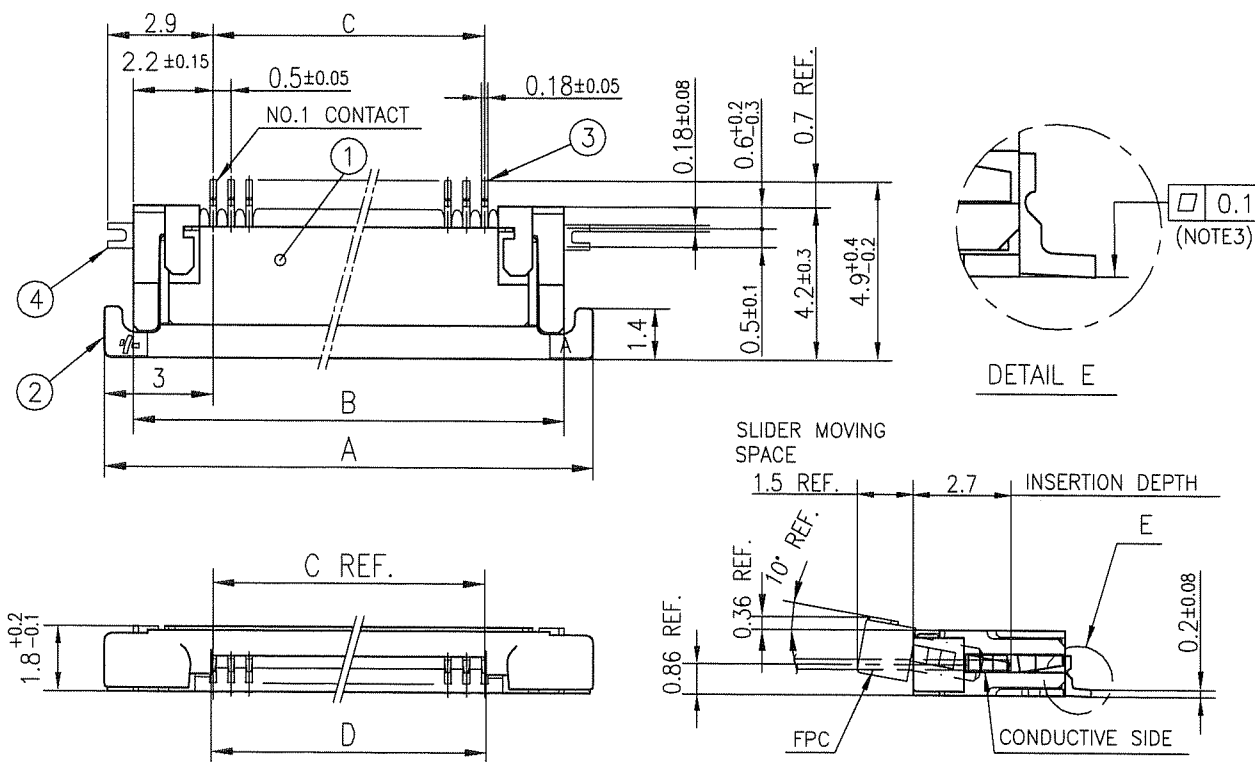
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
2. SEE PART DRAWINGS FOR DIMENSIONS A~D.
3. THIS PRODUCT IS THE CONNECTOR WITH CABLE LOCK MECHANISM.

mat'l. code				surface ☒ ISO 1302 ☒ ISO 406 ☒ ISO 1101		projection 		product family 58EF		CODE JP		
ltr	ecn no	dr	date	tolerances unless otherwise specified				title				
A				angles	linear	mm		CAT. NO. TABLE FOR 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-3/4ST__HLF)				
						scale X		dwg no sheet 2 of 8 size				
				dr	S. Witala	2011-2-10			10117319 A4			
			enrg	S. Witala	2011-2-10							
			chr	Y. Kuroda	2011-2-10							
			appd	M. Witala	Feb 10 11							
sheet index		revision sheet						type Product Customer Drawing				Rev. A

form: A4

1

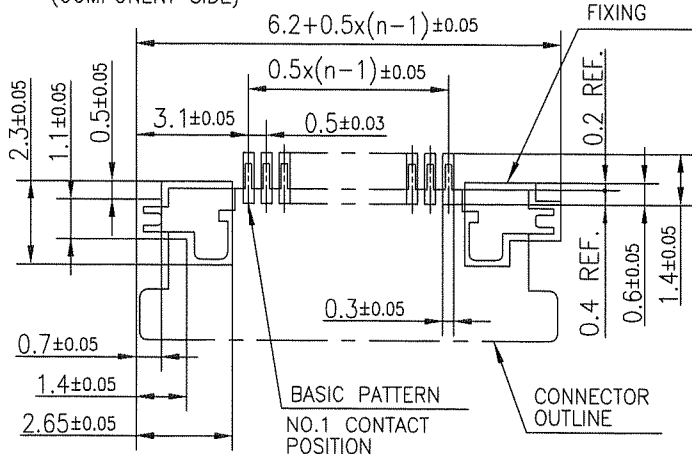
2



PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
		4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)		
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : GRAY (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : MATTE PURE TIN Ni UNDER PLATED (LEAD FREE)
4	MOUNTING PLATE		2	

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)

PATTERN FOR
MOUNTING PLATE
FIXING



n : NO. OF CONTACTS

NOTES

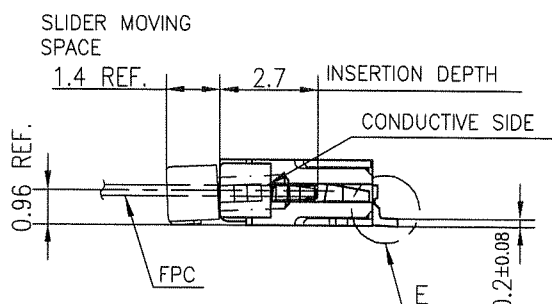
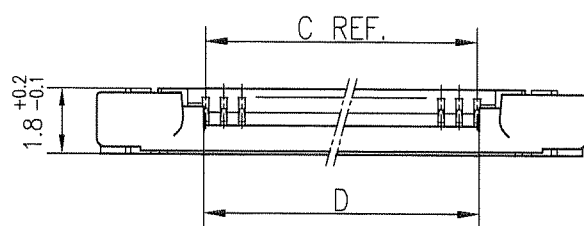
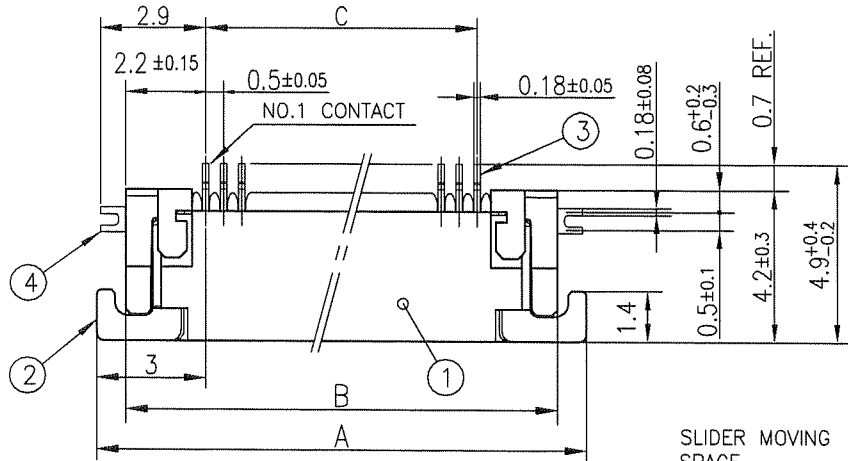
1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND COPS WITH AUTOMATIC MOUNTING (SMT).
2. THIS PRODUCT IS LOWER CONTACT TYPE CONNECTOR WITH CABLE LOCK MECHANISM.
3. FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE MUST BE WITHIN TOLERANCE IN E PORTION DETAILED DRAWING.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
5. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW SOLDERING OVEN.

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection mm		product family 58EF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified		angles linear		scale		title CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-3ST__HLF)			
A										dwg no 10117319			
				dr		2011-2-10		F		sheet 3 of 8			
				enr		2011-2-10		F		size A4			
				chr		2011-2-10		F					
				appd		Feb 10/11		F					
sheet index		revision sheet								type Product Customer Drawing			
D										Rev. A			



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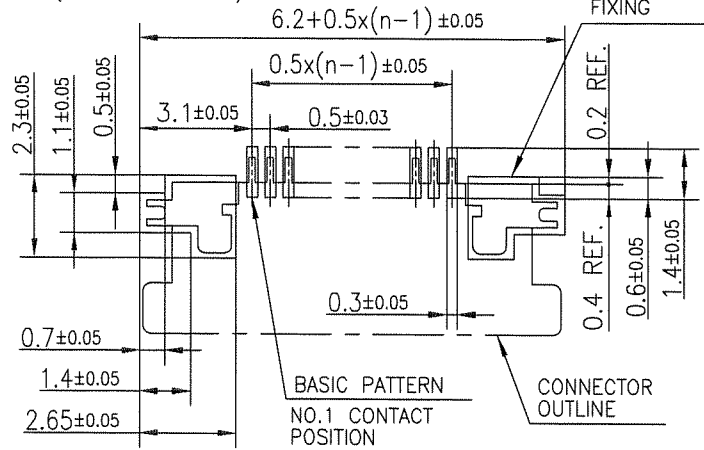
Copyright FCI



PT. NO.	PARTS NAME	MATERIAL	Q'TY	NOTE
1	HOUSING	13~35pin : LCP RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : BLACK (HALOGEN FREE)
		4~12pin : POLYAMIDE RESIN GLASS REINFORCED (UL94V-0)		
2	SLIDER	PPS RESIN GLASS REINFORCED (UL94V-0)	1	COLOR : GRAY (HALOGEN FREE)
3	CONTACT	PHOSPHOR BRONZE	n	PLATING : MATTE PURE TIN Ni UNDER PLATED (LEAD FREE)
4	MOUNTING PLATE		2	

n : NO. OF CONTACTS

RECOMMENDED PC BOARD LAYOUT
(COMPONENT SIDE)



NOTES

- 1.THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
- 2.THIS PRODUCT IS UPPER CONTACT TYPE CONNECTOR WITH CABLE LOCK MECHANISM.
- 3.FLATNESS OF CONTACT TERMINAL AND MOUNTING PLATE MUST BE WITHIN TOLERANCE IN E PORTION DETAILED DRAWING.
- 4.THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- 5.THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A REFLOW SOLDERING OVEN.

mat'l. code				surface ISO 1302 ✓ tolerances unless otherwise specified		tolerance ISO 406 ISO 1101		projection mm		product family 58EF		CODE JP	
ltr	ecn no	dr	date	angles	linear	±0.2		mm		title CONNECTOR USED FOR FPC WITH 0.5 mm CONTACT SPACING (Cat. No. : SFV__R-4ST__HLF)			
A										dwg no 10117319			
				dr	S. Mitoh		2011-2-10		sheet 4 of 8		size		
				enr	S. Mitoh		2011-2-10		10117319		A4		
				chr	Y. Kamada		2011-2-10		type		Product Customer Drawing		
				appd	M. Mitoh		Feb/11						
sheet index		revision sheet										Rev. A	

CAT. NO. & DIMENSIONS

NO. OF CONTACTS (n)	CAT. NO.	DIMENSIONS (NOTE3)		
		F ± 5	G ± 0.3	H ± 0.1
4	SFV 4R-3/4STE1HLF	20.4	16	—
5	SFV 5R-3/4STE1HLF	20.4	16	—
6	SFV 6R-3/4STE1HLF	20.4	16	—
7	SFV 7R-3/4STE1HLF	28.4	24	—
8	SFV 8R-3/4STE1HLF	28.4	24	—
9	SFV 9R-3/4STE1HLF	28.4	24	—
10	SFV10R-3/4STE1HLF	28.4	24	—
11	SFV11R-3/4STE1HLF	28.4	24	—
12	SFV12R-3/4STE1HLF	28.4	24	—
13	SFV13R-3/4STE1HLF	28.4	24	—
14	SFV14R-3/4STE1HLF	28.4	24	—
15	SFV15R-3/4STE1HLF	28.4	24	—
16	SFV16R-3/4STE1HLF	28.4	24	—
17	SFV17R-3/4STE1HLF	28.4	24	—
18	SFV18R-3/4STE1HLF	28.4	24	—
19	SFV19R-3/4STE1HLF	28.4	24	—
20	SFV20R-3/4STE1HLF	28.4	24	—
21	SFV21R-3/4STE1HLF	28.4	24	—
22	SFV22R-3/4STE1HLF	28.4	24	—
23	SFV23R-3/4STE1HLF	36.4	32	28.4
24	SFV24R-3/4STE1HLF	36.4	32	28.4
25	SFV25R-3/4STE1HLF	36.4	32	28.4
26	SFV26R-3/4STE1HLF	36.4	32	28.4
27	SFV27R-3/4STE1HLF	36.4	32	28.4
28	SFV28R-3/4STE1HLF	36.4	32	28.4
29	SFV29R-3/4STE1HLF	36.4	32	28.4
30	SFV30R-3/4STE1HLF	36.4	32	28.4
31	SFV31R-3/4STE1HLF	48.4	44	40.4
32	SFV32R-3/4STE1HLF	48.4	44	40.4
33	SFV33R-3/4STE1HLF	48.4	44	40.4
34	SFV34R-3/4STE1HLF	48.4	44	40.4
35	SFV35R-3/4STE1HLF	48.4	44	40.4

CAT. NO.

SFV (n) R - 3 ST E1 HLF

SERIES NAME

NO. OF CONTACTS

RIGHT ANGLE TYPE

FOR FPC,
WITH CABLE LOCK MECHANISM

CONTACT DIRECTION

3: LOWER CONTACT TYPE

4: UPPER CONTACT TYPE

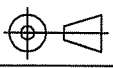
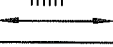
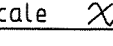
FOR AUTOMATIC MOUNTING
(SMT)

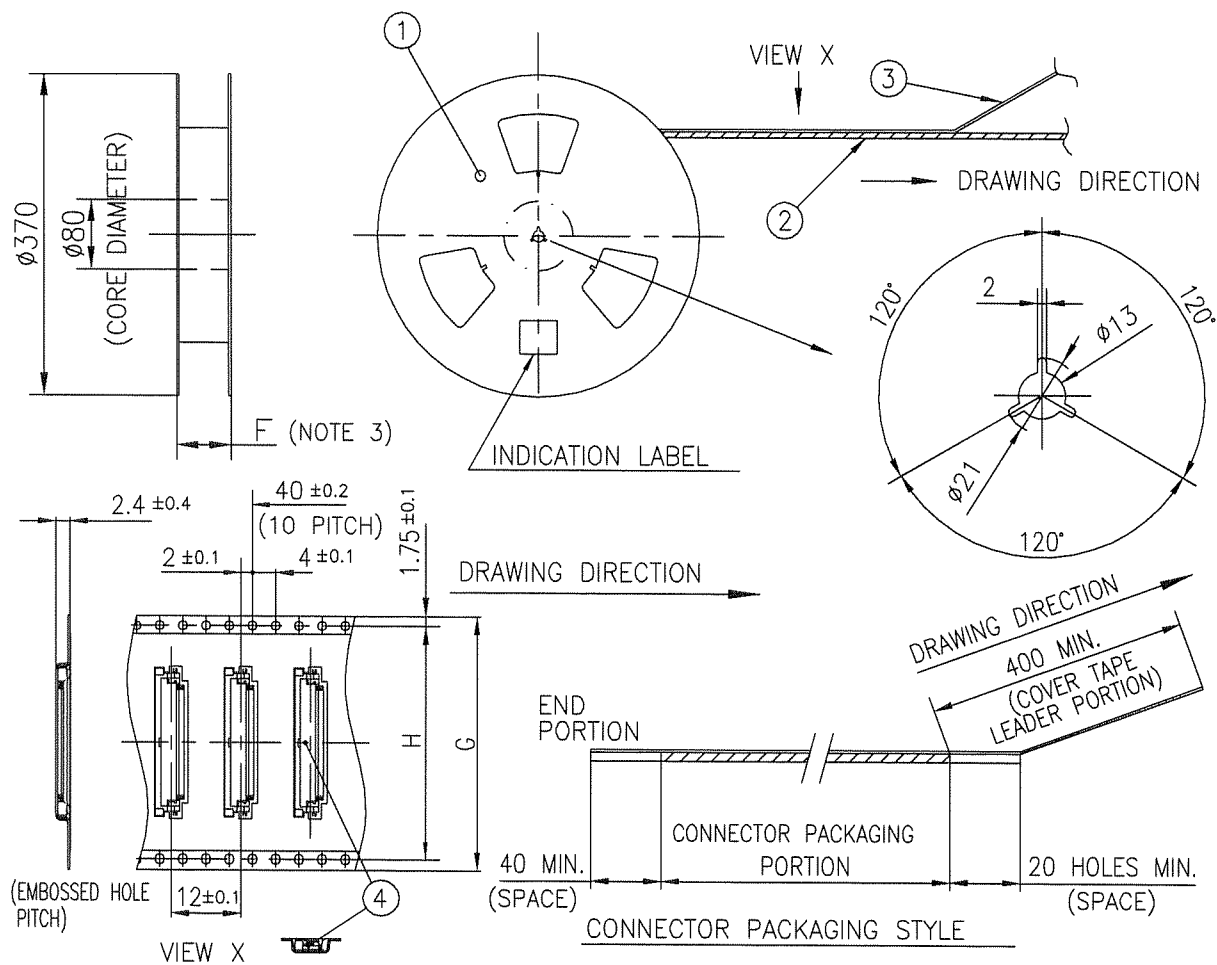
PACKAGE STYLE

HALOGEN FREE AND LEAD FREE

NOTES

1. THIS PRODUCT IS THE CONNECTOR USED FOR FPC AND CYPES WITH AUTOMATIC MOUNTING (SMT).
2. THIS CATALOG NO. INDICATES PLASTIC TAPE PACKAGED
3. SEE PART DRAWINGS FOR DIMENSIONS F~H.
4. THIS PRODUCT IS THE CONNECTOR WITH CABLE LOCK MECHANISM.

mat'l. code				surface ☒ ISO 1302 ☐ tolerance ☒ ISO 406 ☐ ISO 1101		projection 		product family 58EF		CODE JP	
litr	ecn no	dr	date	tolerances unless otherwise specified		mm 		title			
A				angles	linear	scale 		CAT. NO. TABLE FOR PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-3/4STE1HLF)			
				dr	S. Mithal 2011-2-10	F		dwg no		sheet 5 of 8	size
				enrg	S. Mithal 2011-2-10	F		10117319			A4
				chr	V. Ramola 2011-2-10	F					
				appd	M. Mithal Feb 10/11	F					
sheet index		revision sheet						type Product Customer Drawing		Rev. A	

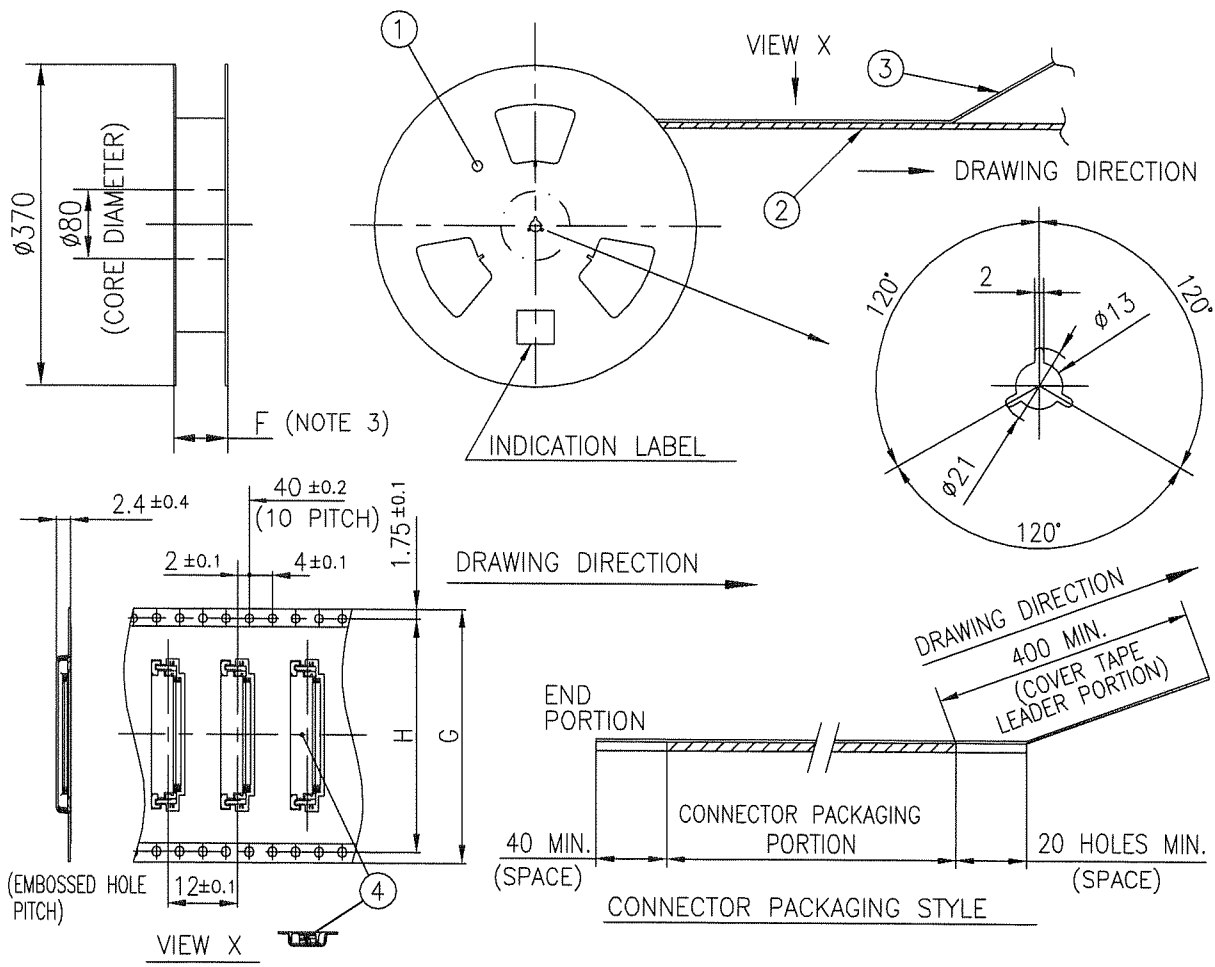


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLO : TRANSPARENCY
4	CONNECTOR	SFV__R-3ST__HLF	SEE ATTACHED DWG.	3000	LOWER CONTACT TYPE WITH CABLE LOCK MECHANISM

NOTES

- THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).
- SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
- F DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface ☒ ISO 1302 ☒ tolerance ☒ ISO 406 ☒ ISO 1101		projection		product family 58EF		CODE JP	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title			
A				angles	linear	mm		PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-3STE1HLF)			
				±5°		scale $\times$		dwg no sheet 6 of 8 size			
				dr	S. Mitake 2011-2-10			10117319			
			engr	S. Mitake 2011-2-10	A4						
			chr	Y. Kamoto 2011-2-10							
			appd	M. Chiba Feb 10/11							
sheet index		revision sheet						type Product Customer Drawing		Rev. A	

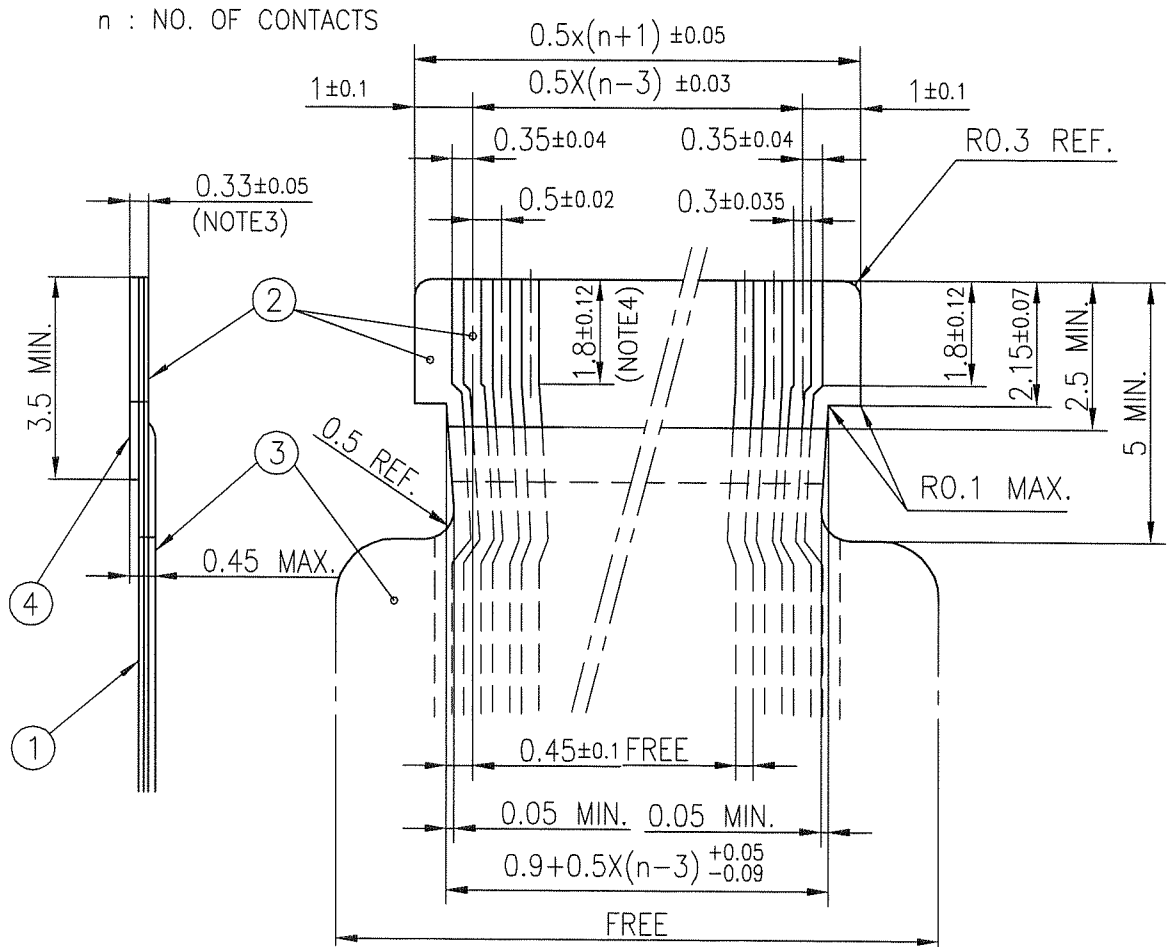


PT. NO.	PARTS NAME	CAT. NO.	MATERIAL	Q'TY	NOTE
1	REEL	_____	CARDBOARD	1	COLOR : WHITE
2	PLASTIC (EMBOSS) TAPE	_____	A-PET	_____	COLOR : TRANSPARENCY
3	COVER	_____	POLYESTER	_____	COLOR : TRANSPARENCY
4	CONNECTOR	SFV__R-4ST__HLF	SEE ATTACHED DWG.	3000	UPPER CONTACT TYPE WITH CABLE LOCK MECHANISM

- NOTES
1. THIS IS PLASTIC TAPE PACKAGED CONNECTOR USED FOR FPC AND COPES WITH AUTOMATIC MOUNTING (SMT).
 2. SEE JIS C 0806 (PACKING OF ELECTRONIC COMPONENTS ON CONTINUOUS TAPES (SURFACE MOUNTING DEVICES)) FOR SHAPE AND DIMENSIONS OF PLASTIC (EMBOSS) TAPE AND REEL.
 3. F DIMENSION IS PORTION OF THE CORE.

mat'l. code				surface ☒ ISO 1302 ☒ tolerance ☒ ISO 406 ☒ ISO 1101		projection		product family 58EF		CODE JP	
ltr ecn no dr date				tolerances unless otherwise specified				title			
A				angles linear		mm		PLASTIC TAPE PACKAGED 0.5 mm CONTACT SPACING CONNECTOR (Cat. No. : SFV__R-4STE1HLF)			
				±5'		scale $\times$		dwg no sheet 7 of 8 size			
				dr <i>S. Nishida</i> 2011-2-10				10117319 A4			
				enr <i>S. Nishida</i> 2011-2-10				type Product Customer Drawing			
				chr <i>Y. Kamada</i> 2011-2-10							
				appd <i>M. Nishida</i> 2011-2-10							
sheet index		revision sheet								Rev. A	

RECOMMENDED CABLE (FPC)



PT. NO.	PARTS NAME	MATERIAL	THICKNESS (um)
1	BASE FILM	POLYIMIDE OR POLYESTER OR EQUAL	25
2	CONDUCTOR	COPPER FOIL(PLATING : TIN or SOLDER 1um min.)	35
3	OVERLAY	POLYIMIDE OR POLYESTER OR EQUAL	—
4	SUPPORTING TAPE	POLYESTER OR POLYIMIDE OR EQUAL	188

NOTES

1. NO BURR AT EACH PORTION.
2. NO PEELING IN COMMON USE.
3. TOTAL THICKNESS LIMIT OF EACH MATERIAL (INCLUDING ADHESIVE AGENT) IS SPECIFIED.
4. THIS DIMENSION INDICATES THE RANGE FOR 0.3±0.035 CONDUCTOR WIDTH.

mat'l. code				surface ☒ ISO 1302 ☒ ISO 406 ☐ ISO 1101		projection		product family 58EF		CODE JP	
ltr ecn no dr date				tolerances unless otherwise specified				title			
A				angles linear		mm		RECOMMENDED CABLE			
						scale X		(Cat. No. : SFV__R-3/4STB__HLF)			
				dr 2011-2-10				dwg no		sheet 8 of 8	
				enr 2011-2-10				10117319		size A4	
				chr 2011-2-10							
				appd 2011-2-10							
sheet index		revision sheet						type Product Customer Drawing		Rev. A	